

Message

From: Shanight, David [ShanightDT@cdmsmith.com]
Sent: 12/16/2019 10:38:53 PM
To: Greene, Nikia [Greene.Nikia@epa.gov]; Lynn Woodbury [woodburyl@cdmsmith.com]
CC: Partridge, Charles [Partridge.Charles@epa.gov]; Vranka, Joe [vranka.joe@epa.gov]; Wall, Dan [wall.dan@epa.gov]
Subject: RE: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

Nikia,

I will discuss with Lynn and get back with you.

David

From: Greene, Nikia <Greene.Nikia@epa.gov>
Sent: Monday, December 16, 2019 3:13 PM
To: Shanight, David <ShanightDT@cdmsmith.com>; Woodbury, Lynn <woodburyl@cdmsmith.com>
Cc: Partridge, Charles <Partridge.Charles@epa.gov>; Vranka, Joe <vranka.joe@epa.gov>; Wall, Dan <wall.dan@epa.gov>
Subject: FW: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

David and Lynn,

Looks like DPHHS is asking me to ask Katie Hailer for additional information. David, I know I said to hold off but maybe we could take a quick look at the minimum additional information below and see if we agree or have anything to add. If I am going to ask, I might as well ask for everything.

Thanks,

Nikia Greene
Remedial Project Manager
U.S. EPA, Region 8
(406)-457-5019
greene.nikia@epa.gov

From: Williamson, Laura <LWilliamson@mt.gov>
Sent: Monday, December 16, 2019 3:03 PM
To: Greene, Nikia <Greene.Nikia@epa.gov>; Harwell, Todd <tharwell@mt.gov>
Cc: Ferguson, Matthew <Matthew.Ferguson@mt.gov>; Holzman, Greg <GHolzman@mt.gov>; Partridge, Charles <Partridge.Charles@epa.gov>
Subject: RE: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

Hi Nikia,

The DPHHS metals chemist has reviewed the lab output from Butte. However, we would need additional information in order to fully evaluate the results.

The minimum additional information that is necessary to assess the Elan DRC II meconium data:

1. What is the individual calibration standard values that were used to set up the calibration curve?

2. The Instrument Quantitative Data report for the calibration standards to show the intensity and counts of the internal standards.
3. The spiking levels of the individual analytes for the Lab Fortified Blank and the sample spikes.
4. The certified values for sample T- 231. Was it carried through the digestion process?
5. Were the sample digests diluted prior to analysis or analyzed direct?
6. What were the initial sample weights used in the digestion process and the final volume.
7. Were the samples dried, ground and weighed, or weighed as received? Were final values expressed as dry weight basis or as Received basis?
8. What was the instrument rinse time between samples? (Possible carryover from high to low)
9. Was a digestion Blank carried through the process? If so, what are the values of the analytes? On the instrument printout, is Sample ID LBlank following the CV a digestion blank or a continuing calibration blank?
10. Data calculations from the instrument data to the final reported values.

Laura

From: Greene, Nikia <Greene.Nikia@epa.gov>

Sent: Tuesday, December 10, 2019 3:46 PM

To: Harwell, Todd <tharwell@mt.gov>

Cc: Williamson, Laura <LWilliamson@mt.gov>; Ferguson, Matthew <Matthew.Ferguson@mt.gov>; Holzman, Greg <GHolzman@mt.gov>; Partridge, Charles <Partridge.Charles@epa.gov>

Subject: [EXTERNAL] RE: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

As promised, Katie just sent the ICP-MS data from Butte. I will send the other data when and if I receive them from Columbia.

Charlie, would you forward to ATSDR.

Thanks,

Nikia Greene
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(406)-457-5019
greene.nikia@epa.gov

From: Harwell, Todd <tharwell@mt.gov>

Sent: Thursday, December 05, 2019 3:59 PM

To: Greene, Nikia <Greene.Nikia@epa.gov>

Cc: Williamson, Laura <LWilliamson@mt.gov>; Ferguson, Matthew <Matthew.Ferguson@mt.gov>; Holzman, Greg <GHolzman@mt.gov>

Subject: RE: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

Thank you. We just met with our environmental lab staff that do metal testing to look at the paper. We can have them review the lab reports. They also had other questions regarding the methodology and the LOD's.

Todd

From: Greene, Nikia <Greene.Nikia@epa.gov>

Sent: Thursday, December 5, 2019 3:07 PM

To: Harwell, Todd <tharwell@mt.gov>

Cc: Williamson, Laura <LWilliamson@mt.gov>; Ferguson, Matthew <Matthew.Ferguson@mt.gov>; Holzman, Greg <GHolzman@mt.gov>

Subject: [EXTERNAL] RE: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

Yes, thanks. When and if we receive the data I will share with you.

Nikia Greene
Remedial Project Manager
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(406)-457-5019
greene.nikia@epa.gov

From: Harwell, Todd <tharwell@mt.gov>

Sent: Thursday, December 05, 2019 2:57 PM

To: Greene, Nikia <Greene.Nikia@epa.gov>

Cc: Williamson, Laura <LWilliamson@mt.gov>; Ferguson, Matthew <Matthew.Ferguson@mt.gov>; Holzman, Greg <GHolzman@mt.gov>

Subject: RE: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

Thank you for sharing this. This is a good next step to validate the findings.

Todd Harwell, MPH
Administrator
Public Health and Safety Division
Montana DPHHS

From: Greene, Nikia <Greene.Nikia@epa.gov>

Sent: Thursday, December 5, 2019 2:39 PM

To: Palmer, Dave <dpalmer@bsb.mt.gov>; Sesso, Jon <jsezzo@bsb.mt.gov>; Maffei, Mollie <mmaffei@bsb.mt.gov>; Hassler, Eric <ehassler@bsb.mt.gov>; Crain, Julia <jcrain@bsb.mt.gov>; Olsen, Dan <dolsen@bsb.mt.gov>;

Ex. 6 Personal Privacy (PP) Vranka, Joe <vranka.joe@epa.gov>; Greene, Nikia <Greene.Nikia@epa.gov>; Partridge, Charles <Partridge.Charles@epa.gov>; McGrath, Shaun <Shaun.McGrath@mt.gov>; Stoops, Thomas <TStoops@mt.gov>; Reed, Daryl <dreed@mt.gov>; Hogan, Sheila <SheilaHogan@mt.gov>; Harwell, Todd <tharwell@mt.gov>; Williamson, Laura <LWilliamson@mt.gov>; Ferguson, Matthew <Matthew.Ferguson@mt.gov>; Wall, Dan <wall.dan@epa.gov>

Subject: [EXTERNAL] FW: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

FYI: I just sent this request

Nikia Greene
Remedial Project Manager
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(406)-457-5019
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From: Greene, Nikia

Sent: Thursday, December 05, 2019 2:32 PM

To: smcdermo@mailbox.sc.edu; Katie Hailer <khailer@mtech.edu>

Cc: Partridge, Charles <Partridge.Charles@epa.gov>; Wall, Dan <wall.dan@epa.gov>

Subject: Request for data: Meconium identifies high levels of metals in newborns from a mining community in the U.S., November 13, 2019

Professors McDermott and Hailer,

I was made aware of the accepted journal (November 13, 2019) of your cross-sectional pilot study performed in Butte and Columbia on November 25th 2019. Also, on November 26th 2019 the Montana Standard published an article "Health study shows startling levels of metals in Butte babies' meconium".

I work with the community of Butte on a daily basis as a Remedial Project Manager for EPA. The main objective of my position is to make sure that the cleanup in Butte is protective of human health and the environment. So when I come across a new study that has metals associated with public health and statements like "potential public health emergency" I am responsible to provide a due diligence review of those possible health issues that may be associated with contaminants of concern that are associated with my site. To ensure that my review is thorough and accurate I am making the following request:

My request is for the original laboratory report from the cross-sectional pilot study. If the report was developed through a commercial laboratory I would like to request the ICP-MS instrument output in Form 1. If the report was developed through a University Laboratory I would like to request the raw output for the laboratory instrumentation. Additionally, if there are any physical samples that have been preserved, I would like to request them from Butte and Columbia or both. I am particularly interested in the physical samples from Columbia.

Thank you for the consideration.

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